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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---------------------------|-----------------|----------------------|---------------------|------------------|
| 10/828,473 | 04/21/2004 | Hiroya Fukuyama | 12706/13 | 5144 |
| 23838 | 7590 10/03/2006 | | EXAM | INER |
| KENYON & KENYON LLP | | | FINEMAN, LEE A | |
| 1500 K STREI SUITE 700 | ET N.W. | | ART UNIT | PAPER NUMBER |
| WASHINGTON, DC 20005 | | | 2872 | |

DATE MAILED: 10/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | Application No. | Applicant(s) | | | |
|--|---|---|--|--|--|
| Office Action Commence | 10/828,473 | FUKUYAMA ET AL. | | | |
| Office Action Summary | Examiner | Art Unit | | | |
| | Lee Fineman | 2872 | | | |
| The MAILING DATE of this communication app Period for Reply | ears on the cover sheet with the c | correspondence address | | | |
| A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). | ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE | N. nely filed the mailing date of this communication. D (35 U.S.C. § 133). | | | |
| Status | | , | | | |
| 1) Responsive to communication(s) filed on 17 Ju | ılv 2006. | | | | |
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| · <u> </u> | , | | | | |
| closed in accordance with the practice under E | x parte Quayle, 1935 C.D. 11, 45 | 53 O.G. 213. | | | |
| Disposition of Claims | | | | | |
| 4)⊠ Claim(s) 11,12 and 16-18 is/are pending in the application. | | | | | |
| 4a) Of the above claim(s) is/are withdrawn from consideration. | | | | | |
| 5) Claim(s) is/are allowed. | | | | | |
| 6)⊠ Claim(s) <u>11,12 and 16-18</u> is/are rejected. | | | | | |
| 7) Claim(s) is/are objected to. | | | | | |
| 8) Claim(s) are subject to restriction and/or election requirement. | | | | | |
| Application Papers | | | | | |
| 9) The specification is objected to by the Examine | r. | | | | |
| 10)⊠ The drawing(s) filed on <u>21 April 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner. | | | | | |
| Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). | | | | | |
| Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). | | | | | |
| 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. | | | | | |
| Priority under 35 U.S.C. § 119 | | | | | |
| 12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of: | | | | | |
| 1.⊠ Certified copies of the priority documents have been received. | | | | | |
| 2. Certified copies of the priority documents have been received in Application No | | | | | |
| 3. Copies of the certified copies of the priority documents have been received in this National Stage | | | | | |
| application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. | | | | | |
| " See the attached detailed Office action for a list | or the certified copies not receive | su. | | | |
| ************************************** | | | | | |
| Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) | | | | | |
| 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) | | | | | |
| 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other: | | | | | |
| rapei No(s)/Iviali Date | 0, | | | | |

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DETAILED ACTION

This Office Action is in response to an amendment filed 17 July 2006 in which claims 11 and 12 were amended, claims 16-18 were added and claims 1-10 and 13-15 were cancelled.

Claims 11-12 and 16-18 are pending.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 11-12 and 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kudo et al., JP2001198141 A in view of Shioda et al., US 6,081,371 (henceforth Shioda '371) and Shioda et al., US 2001/0055062 A1 (henceforth Shioda '062)

Kudo et al. disclose a microscopic observing apparatus (fig. 1) comprising: a probe microscope (33); an auxiliary microscope (2); a specimen stage (operating table 61 and floor as base) on which is placed a subject (32) of observation that is to be observed using the probe microscope and the auxiliary microscope that allows an absolute position of the subject of observation to be adjusted (via 3, 4, 5, 6, 7 and 8 around axes O₁, O₂, O₃, O₄, and O₅); a light irradiation device (not shown, see paragraph [0015] of machine translation) that irradiates light onto the subject (32) of observation, wherein the auxiliary microscope is located such that the light irradiated onto the subject of observation is visible (fig. 2); and a microscope holding member (3) that holds both of the probe microscope and the auxiliary microscope on the

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specimen stage (fig. 1), wherein the microscope holding member comprises a Z stage (5 and 62, see paragraph [0015] of machine translation) that stands upright on the specimen stage (fig. 1); a θ stage (6) that is mounted on a top end of the Z stage (fig. 1); an arm (7) that extends horizontally towards and above of the specimen stage, and that holds both of the probe microscope and the auxiliary microscope (fig. 1); a rotating member (8) that is linked to a distal end of the arm so as to be rotatable around a horizontal axis; the probe microscope is attached to the arm so as to face an upper surface of the specimen stage (figs. 1 and 2), and the auxiliary microscope (2) is held such that an optical axis thereof intersects an optical axis of the probe microscope (fig. 2); and wherein the probe microscope (32) is held such that a distal end thereof appears at a substantially central position in a visual field of the auxiliary microscope (fig. 2).

Kudo et al. disclose the claimed invention except for the light source being a laser that is coaxial with the optical axis of the probe microscope and wherein the auxiliary microscope is a video microscope including a CCD camera with a macro lens.

Shioda '371 teach in fig. 1 a microscopic observing apparatus comprising: a probe microscope (3) and an auxiliary microscope (1) and wherein the auxiliary microscope is a video microscope including a CCD camera (12) with a macro lens (in so far as the images from the auxiliary microscope are of a lower magnification than those from the probe microscope - see figs. 3 and 4). It would have been obvious to one of ordinary skill in the art at the time the invention was made to add the CCD camera of Shioda '371 to the auxiliary microscope of Kudo et al. to be able to record the images from the auxiliary microscope for easier viewing with a monitor (Shioda '371, column 9, lines 39-43).

Shioda '062 teach a microscopic observing apparatus (figs. 53 and 54) comprising: a probe microscope (435) and an auxiliary microscope (401) and a laser light irradiation device 454) that irradiates light that is coaxial with the optical axis of the probe microscope (figs. 53 and 54) onto the subject of observation. It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the light source of Kudo et al. a laser light source and coaxial with the optical axis of the probe microscope as taught by Shioda '062 to examine specific specimen/subject characteristics via a particular wavelength (see Shioda '062 pages 16-17, sections [0280]-[0282].

Response to Arguments

3. Applicant's arguments with respect to claims 11 and 12 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

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will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Lee Fineman whose telephone number is (571) 272-2313. The

examiner can normally be reached on Monday - Friday 7:30 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Drew Dunn can be reached on (571) 272-2312. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

IAF

26 September 2006

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